



# RAINBOW

## POLYURETHANE ANTI-MILDEW PAINT

PRODUCT NUMBER	500-2
TYPE	A two-pack, polyurethane mildew preventive coating based on acrylic resin, polyol resin and non-yellowing isocyanate hardener with mildew resistant pigment.
USES	Used for substrate surface, such as concrete, cement walls, steel structures, aluminum etc to prevent mildew growth.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Excellent anti-mildew, meet JIS Z 2911(1981) specifications.</li><li>2. High gloss, smooth appearance.</li><li>3. Excellent weather resistance, good color and gloss retention.</li><li>4. Excellent chemicals resistance.</li><li>5. Excellent adhesion, hardness and abrasion.</li></ol>
FINISH	Gloss
COLOR	White or desired colors
FLASH POINT	Above 20°C (68°F) (mixture)
MASS DENSITY	Above 1.0 Kg/L (mixture, depending on colors)
VISCOSITY	66~85 KU (mixture, 25°C)
DRYING TIME	Set-to-touch 1 hr.      Dry hard 6 hrs.      Fully cured 7days (25°C).
OPTIMUM FILM THICKNESS	Wet 60 microns      Dry 30 microns
THEORETICAL COVERAGE	62.8 m <sup>2</sup> /Gal      16.6 m <sup>2</sup> /L
OVERCOATING INTERVALS	Min. 15 hrs.      Max. 5 days (25°C)
POT LIFE	4 hrs. (mixture, 25°C)
VOLUME SOLIDS	Above 50% (mixture)
MIXING RATIO	Base : hardener = 85 : 15 (by wt.)
THINNER	No.736 Polyurethane Thinner
THINNING RATE	10~15% (by wt.)
PRECEDING COATS	Steel: No.1075 Epoxy Aluminum Tripolyphosphate Primer No.1009 Epoxy Red Oxide Primer (EP-02) No.1006 Epoxy Zinc Rich Primer (EP-03) No.1050 Epoxy M.I.O. Primer (EP-20) No.1001 Epoxy Topcoat (EP-04) Concrete: No.410-1 Emulsion Primer No.1002 Epoxy Primer, White No.1073 Epoxy Clear Cement Primer
PAINTING SYSTEM	Concrete: 1. No.410-1 / No. 500-2 / No.500-2 2. No.1073 / No.1002 / No. 500-2 / No.500-2 Steel: 1. No.1027 / No.1009 / No. 500-2 / No.500-2 2. No.1075 / No.1009 / No. 500-2 / No.500-2
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Airless Spray, Brush
NOTE	<ol style="list-style-type: none"><li>1. Mix base and hardener according to the mixing ratio and stir thoroughly.</li><li>2. Avoid applying the paint in rainy or humid weather, in particularly a wet surface must be thoroughly dried.</li><li>3. All equipments must be cleaned immediately after use.</li><li>4. When overcoating interval is exceeded, paint surface must be roughened to insure adhesion.</li><li>5. Hardener cover must be tightly closed to avoid reaction with moisture in air to form bubbles and gelation.</li><li>6. Strictly controlling application, not to exceed 80 microns per coat, to avoid bubbles formation.</li><li>7. Above-mentioned painting system is only for reference, if have any special requests, please connect with us.</li></ol>

EPDM4105002X V1.0

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